

ABSTRACT

A vertebral body contact element comprises a domed wire mesh convexly extendable from an orthopedic device for securing the orthopedic device to a vertebral body endplate. In preferred embodiments, the wire mesh is made of titanium and is laser-welded or buried in a plasma coating at its perimeter to the orthopedic device, and a porous coating is provided underneath the wire mesh. The wire mesh is deformably reshapeable under anatomical loads so that it conformably deflects against a concave surface of the vertebral body endplate to securably engage the endplate.